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广东竹亚科新分类群

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NEW TAXA OF BAMBUSOIDEAE FROM GUANGDONG

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Key words *Bambusa*; *Indosasa*; *Neosinocalamus*; *Sinobambusa*; *Phyllostachys*; *Arundinaria*; *Sasa*; *Indocalamus*; *Celidocalamus*; new taxa
关键词 簕竹属;大节竹属;孖竹属;唐竹属;刚竹属;青篱竹属;赤竹属;箬竹属; 寒竹属; 新分类群

紫斑簕竹 新种 图1

Bambusa longipalea W. T. Lin, sp. nov.

Species *B. indigenae* Chia et H. L. Fung affinis, sed culmis viridissimis et purpureo-vittatis nodis glabris, auriculis vaginarum culmi subaequimagnis differt.

Culmi usque ad 8 m alti, 6 cm diam., plus minusve flexuosi, spinescentes; internodiis 25—34 cm longis, in vivo viridissimis et purpureo-vittatis; nodis glabris; ramis fasiculatis saepe e primo vel secundo nodo culmi initio orientibus. Vaginae culmorum deciduae, apice impariter arcuatae, duobus humeris prominulis, dorso glabrae; auriculis subaequimagnis ellipticis, margine ciliis crispis instructis; ligula 8 mm alta, denticulata; laminis triangularibus. Folia in quoque ramulo 4—5; auriculis parvis, ellipticis; setis oralibus 5—10 mm longis; ligula 0.5—1 mm longa; laminis 6.5—20 cm longis, 5—18 mm latis, subtus pubescentibus, nervis secundariis utrinque 5—6. Inflorescentia paniculata; pseudospicula 4—5 cm longa; bracteis 4—7; glumis vacuis 0—1; flosculis 7—8; lemmatibus 10—11 mm longis, subglabris; paleis saepe longioribus quam lemmatibus, extus pubescentibus, in carinis apicem versus ciliolatis, inter carinas 6-nerviis; rachillis 3.5—4 mm longis, extus et apice puberulis; lodiculis 3, 3—3.5 mm longis, margine ciliatis, duobus anterioribus oblique obovatis, posteriore 1 oblongo; antheris 6, 5 mm longis; ovario obovato; stylo brevi; stigmatibus 3. Fructus ignotus.

Guangdong: Guangzhou, South China Agr. Univ., Wan-tao Lin 31857 (Type, SCAC).

本种近似乡土竹 *B. indigena* Chia et H. L. Fung，区别在秆鲜时深绿色，有紫色斑纹，节无毛，箨耳近等大；但乡土竹的秆鲜时仅有白粉而无紫斑，秆下部各节和节下均有一圈绢毛，箨耳极不等大。

广东：广州，华南农业大学，林万涛 31 857(模式，SCAC)。

花头黄(广东佛冈) 新变型 图2

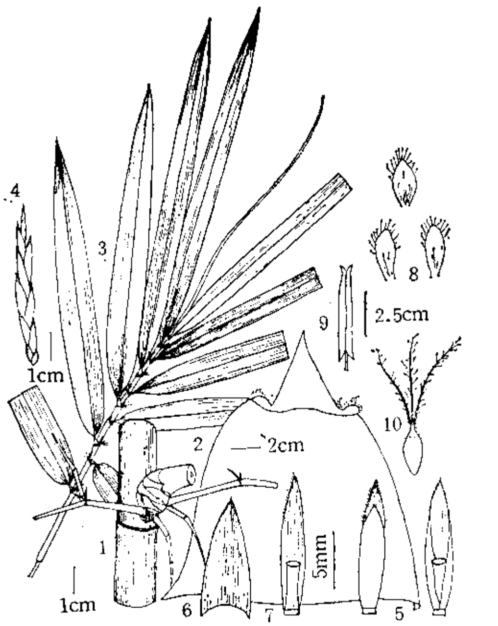


图 1 紫斑簕竹 *Bambusa longipalea* 1.秆的一部分 part of culm; 2.秆箨 vagina of culm; 3.小枝与叶 ramellus with leaves; 4.假小穗 pseudospikelet; 5.小花 floret; 6.外稃 lemma; 7.内稃 palea; 8.鳞被 lodicules; 9.雄蕊 stamen; 10.雌蕊 pistil。

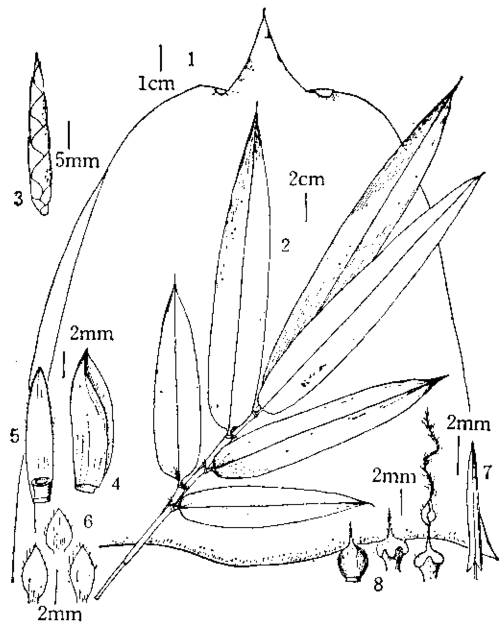


图 2 花头黄 *B. oldhami* f. *revoluta* 1.秆箨 vagina of culm; 2.小枝与叶 ramellus with leaves; 3.假小穗 pseudo spikelet; 4.外稃 lemma; 5.内稃 palea; 6.鳞被 lodicules; 7.雄蕊 stamen; 8.雌蕊 pistil。

Bambusa oldhamii Munro f. **revoluta** W. T. Lin et J. Y. Lin*, f. nov.

A forma *oldhamii* differt culmi internodiis viridissimis et flavo-striatis, vaginis culmi glabris non nisi basi fulvo-spinulosis, ligulis denticulatis, lemmatibus non tessellato-venosis, stylis prolongatis.

Guangdong: Fogang, Guanyinshan, Jia-yi Lin 25653 (Type, SCAC).

与原变型区别在于秆的节间深绿色有黄色的条纹，秆箨无毛，仅基部有黄棕色刺毛，箨舌有小齿，外稃无方格小脉，花柱延长；但原变型秆的节间无黄色条纹，秆箨背面及边缘均有毛，箨舌全缘，外稃有方格小脉，花柱极短。

广东：佛冈，观音山，林家怡 25653 (模式，SCAC)。

窄叶大节竹 新种 图 3

Indosasa angustifolia W. T. Lin, sp. nov.

Species ab omnibus speciebus generis vaginis culmi dorso sparse albo-tuberculato-hispidis et venulis transversis manifeste instructis, ramulis valde gracilibus c. 0.5 mm diam., laminis foliorum valde angustis 5—7 mm latis facile distinguenda.

Culmi 1.5—2 m alti, 8—10 mm diam., novelli virides; internodiis c. 17 cm longis, sparse albo-pubescentibus; nodis prominentibus et leviter geniculatis; cicatricibus vaginarum paullo pro-

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minentibus. Vaginae culmi deciduae, dorso parse albo-tuberculato-hispidis et venulis transversis manifeste instructis; auriculis et setis oralibus non evolutis; ligulis arcuatis, 1.5—2 mm longis, margine denticulatis; laminis linearibus patentibus vel reflexis. Rami 3 in quoque nodo; ramulis plerumque solitariis, gracilibus, c. 0.5 mm diam., vulgo 4—5-foliatis; foliorum vaginis 2.5—3 cm longis, glabris; auriculis nullis; setis oralibus paucis, erectis; ligulis 0.5 mm longis, apice convexis, glabris; laminis valde angustis, 8—12 cm longis, 5—7 mm latis, supra glabris, subtus dense albo-pubescentibus, nervis secundariis utrinque 3, venulis conspicue tessellatis. Inflorescentia incognita.

Guangdong: Gaoyao, Dinghu Shan, Han Wu 31859 (Type, SCAC).

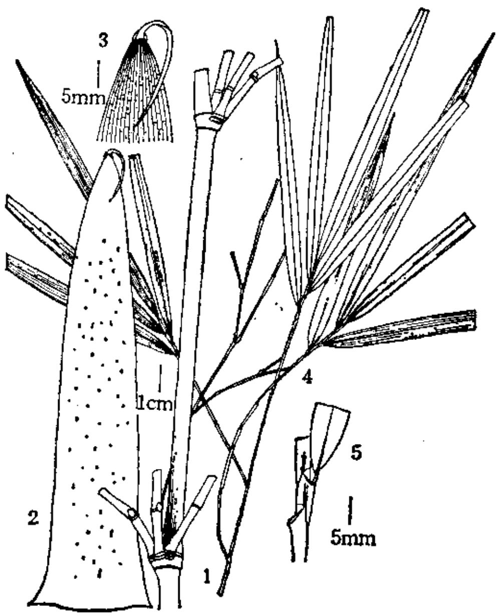


图3　窄叶大节竹 *Indosasa angustifolia*　1.秆的一部分 part of culm　2.秆箨 vagina of culm; 3.秆箨一部分放大 portion of culm vagina (magnified); 4.小枝与叶 ramellus with leaves;　5.叶的一部分放大 part of leaf (magnified)。

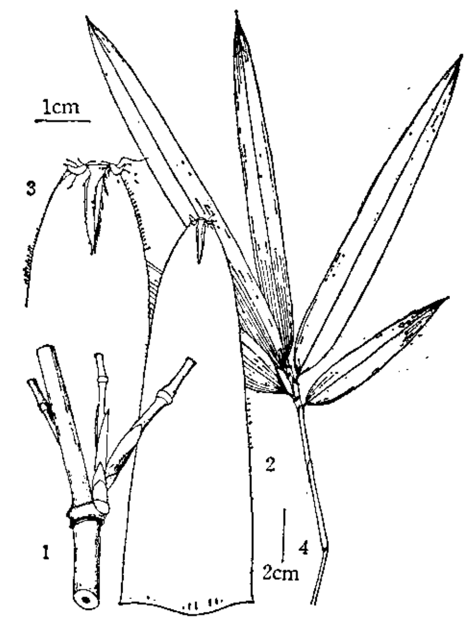


图4　月耳大节竹 *I. lunata*　1.秆的一部分 part of culm; 2.秆箨 vagina of culm; 3.秆箨一部分放大 portion of culm vagina (magnified); 4.小枝与叶 ramellus with leaves.

本种秆箨背部散生有基部呈瘤状突起的刚毛和具有小横脉，小枝极纤细，直径粗约0.5mm，叶片极窄，宽5—7mm，易于与其他种类相区别。

广东：高要，鼎湖山，吴翰 31859 (模式，SCAC)。

月耳大节竹　新种　图4

Indosasa lunata W. T. Lin, sp. nov.

Species affinis *I. chienouensi* Wen, sed internodiis culmi spares albo-hispidis et papillosis, auriculis vaginarum culmi minoribus lunatis, laminis vaginarum culmi basi constractis differt.

Culmi 1.5—2.5 m alti, 1—2 cm diam., ligno crasso; internodiis 17—27 cm longis, novellis viridibus, sparse albo-hispidis et papillosis, infra nodos dense albo-farinaceis; nodis valde prominentibus et geniculatis; cicatricibus vaginarum prominentibus. Vaginae culmorum deciduae, dorso sparse brunneo-hispidae, utrinque margine ciliatae; auriculis minoribus, lunatis; setis

oralibus radiatis; ligulis brevissimis c. 1 mm longis; laminis lanceolatis, reflexis vel patentibus, basi constractis. Rami 3(—4) inaequales primarii quam ceteri crassiores, patentes, ceteri suberecti Folia 5—9 in quoque ramnlo; foliorum vaginis subglabris vel hispidulis; auriculis minoribus vel non evolutis; estis oralibus non evolutis vel paucis; ligulis 1 mm longis; laminis 7—17 cm longis et 1—2 cm latis, utrinque glabris, nervis secundariis utrinque 4—7. Inflorescentia incognita.

Guangdong: Gaoyao, Dinghu Shan, Mian-yun Xiao 53489 (Type, SCAC).

本种近似建瓯大节竹 *I. chienouensis* Wen，区别在秆的节间散生有白色的刚毛和具有乳突，箨耳小，新月形，箨叶基部紧缩；但建瓯大节竹的秆节间无毛和不具乳突，箨耳镰状开展，箨叶基部不收缩。

广东：高要，鼎湖山，肖绵韵 53489（模式，SCAC)。

斑箨大节竹　新种　图 5

Indosasa macula W. T. Lin et Z. M. Wu*, sp. nov.

Species affinis *I. glabratae* C. D. Chu et C. S. Chao, sed internodiis culmi sparse albo-hispidulis infra nodos albo-farinaceis, ligno crasso, vaginis culmi dorso maculis purpureo-fuscis inaequalibus instructis, ligulis foliorum 3—3.5 mm longis differt.

Culmi ad 3 m alti, 1.5 cm diam., ligno crasso; internodiis 22.5—25 cm longis, sparse albo-hispidulis, infra nodos dense albo-farinaceis; nodis valde prominentibus, geniculatis. Vaginae culmi dorso fusco-tuberculato-hispidae, maculis purpureo-fuscis inaequalibus instructae; auriculis et setis oralibus nullis; ligulis arcuatis, c. 1—1.5 mm longis, apice ciliolatis; laminis lanceo-

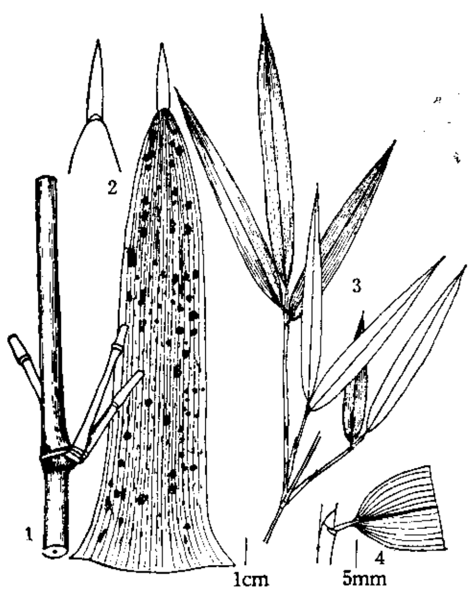


图 5　斑箨大节竹 *Indosasa macula*　1.秆的一部分 part of culm;　2.秆箨 vagina of culm;　3.小枝与叶 ramellus with leaves;　4.叶的一部分 part of leaf。

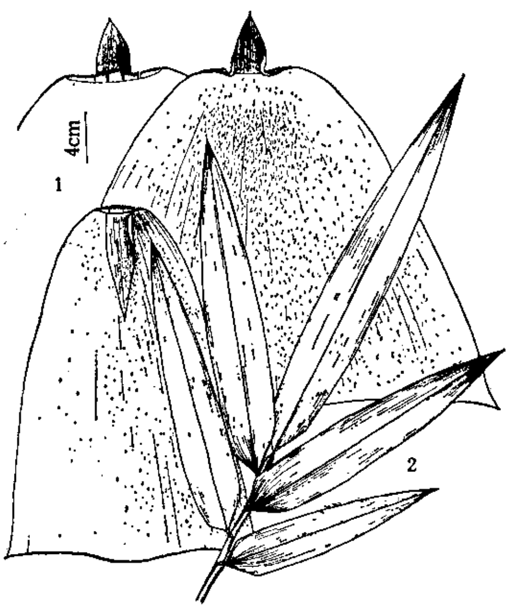


图 6　孖竹 *Neosinocalamus recto-cuneatus*　1.秆箨 vagina of culm;　2.小枝与叶 ramellus with leaves.

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latis. Rami 3 in quoque nodo. Folia 2—4 in quoque ramulo; auriculis et setis oralibus nullis; ligulis 3—3.5 mm longis; laminis 5.5—17 cm longis, 8—24 mm latis, subtus pubescentibus, nervis secundariis utrique 4—7.

Guangdong: Xinyi, Dawuling, 19 IV 1987, Wu Zhi-min 0609 (Type, SCAC).

本种近似算盘竹 *I. glabrata* C. D. Chu et C. S. Chao，区别在秆的节间散生白色小糙毛，节下有白粉，秆壁厚，箨鞘背面具有大小不等紫褐色斑点，叶舌长 3—3.5mm。

广东：信宜，大雾岭，1987 年 4 月 19 日吴志敏 0609（模式，SCAC)。

孖竹（广东英德） 新种 图 6

Neosinocalamus recto-cuneatus W. T. Lin, sp. nov.

Species *N. affini* (Rendle) Keng f. affinis, sed vaginis culmi apice rotundis vel truncatis, ligulis vaginarum non fimbriatis, laminis foliorum basi recto-cuneatis inaequalibus, venulis transversis utrinque manifestis differt.

Rhizoma sympodiale. Culmi ad 14 m alti, 8 cm diam., ligno 9 mm crasso; internodiis 14—32 mm longis, teretibus, viridissimis et flavo-striatis, initio sparse albo-tuberculato-hispidis. Vaginae culmi deciduae, apice rotundae vel truncatae, dorso aciculis fuscis sparsis praeditae; auriculis et setis oralibus nullis; ligulis 8 mm longis, margine dentato-lobulatis non fimbriatis; laminis erectis vel reflexis, triangularibus vel ovato-lanceolatis, utrinque hispidulis, fuscis. Rami fasciculati, primarii modice crassi. Folia in quoque ramulo 4—6; auriculis et setis oralibus nullis; ligulis 1.5 mm longis, laminis 16—25 cm longis, 2.5—4 cm latis, basi recto-cuneatis inaequalibus, utrinque glabris, nervis secundariis utrinque 9—11, venulis transversis manifestis.

Guangdong: Yingde. Yan bei, 17 XI 1986, Xiao Mian-yun 53487 (Type, CSAC).

本种秆壁薄，枝条纤细，秆的节间常有瘤状突起的刚毛，无箨耳，上部秆箨的箨叶基部约为其箨鞘顶部的宽度 1/3 等特征，与慈竹 *N. affinis* (Rendle) Keng f. 非常相似；区别在秆的箨鞘顶部圆或截平，箨舌边缘无流苏状缝毛，叶片基部为直的楔形，且不相等，两面有明显小横脉。

广东：英德，岩背，1986 年 11 月 17 日，肖绵韵 53487（模式，SCAC)。

无耳唐竹 新种 图 7

Sinobambusa exaurita W. T. Lin, sp. nov.

Species affinis *S. maculatae* McClure, sed internodiis culmi purpureo-maculosis, vaginis culmi apice convexis dorso sparse hispidis haud nitidis, auriculis vaginarum et setis oralibus haud evolutis, ligulis convexis margine ciliatis, laminis lanceolatis differt.

Culmi 3—4 m alti, 1—1.5 cm diam.; internodiis 14—21 cm longis, subglabris, purpureo-maculosis, supra ramos leviter planis, infra nodos albo-farinaceis; nodis prominentibus, farinaceis; cicatricibus vaginarum leviter prominentibus, plus minusve hispidulis. Vaginae culmi deciduae, interdum leviter purpureo-tinctae, apice convexae, dorso hispidae et maculis purpureis inaequalibus instructae, margine haud ciliatae; auriculis et setis oralibus haud evolutis; ligula convexa, in medio 2 mm longa, margine repanda, ciliata; laminis erectis vel reflexis, lanceolatis. Rami 3 in quoque nodo. Folia in quoque ramulo 3—5; auriculis et setis oralibus haud evolutis; ligula 1.5—2 mm longa; laminis 7—14 cm longis, 8—13 mm latis, subtus dense pubescentibus, nervis secundariis utrinque 3—4.

Guangdong: Conghua, Sanjiao Shan, Liang Pao-han 91625; Huidong, Lianghua, 12 V 1987, Xiao Mian-yun 53497 (Type, SCAC).

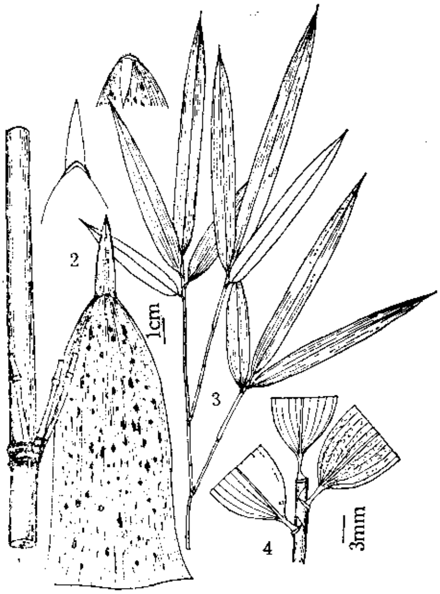


图 7　无耳唐竹 *Sinobambusa exaurita*　1.秆的一部分 part of culm; 2.秆箨 vagina of culm; 3.小枝与叶 ramellus with leaves; 4.叶的一部分 part of leaf.

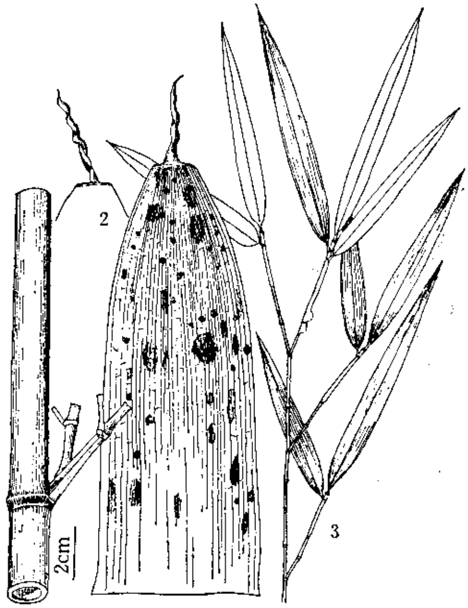


图 8　短舌刚竹 *Phyllostachys breviligula*　1.秆的一部分 part of culm; 2.秆箨 vagina of culm; 3.小枝与叶 ramellus with leaves.

本种近似光竹 *S. maculata* McClure，区别在秆的节间有紫色的斑点，箨鞘顶端拱形，背面散生刚毛，无光泽，箨耳和鞘口缝毛均不发育，箨舌拱形，边缘有纤毛，箨叶披针形。

广东：从化，三角山，梁宝汉 91625；惠东，梁化，1987 年 5 月 12 日，肖绵韵 53497 (模式，SCAC)。

短舌刚竹　新种　图 8

Phyllostachys breviligula W. T. Lin et Z. M. Wu, sp. nov.

Species affinis *P. glabratae* S. Y. Chen et C. Y. Yao, sed nodis culmi prominentibus farinaceis infra nodos dense albo-farinaceis, vaginis culmi dorso venulis transversis instructis, ligulis haud elevatis truncatis, auriculis foliorum et setis oralibus nullis differt.

Culmi 4—5 m alti, 2—2.5 cm diam.; ligno 3—4 mm crasso; internodiis 15—20 cm longis, glabris, infra nodos dense albo-farinaceis; nodis prominentibus farinaceis; cicatricibus vaginarum leviter prominentibus. Vaginae culmi glabrae, apice truncatae, dorso maculis purpureo-fuscis inaequalibus et venulis transversis instructae; auriculis et setis oralibus nullis; ligulis latis, haud elevatis, 0.5 mm longis, apice truncatis, ciliolatis; lamina vittiformis, crispata, suberecta vel reflexa. Rami 2 in quoque nodo inaequales. Folia 1—3 in quoque ramulo; auriculis et setis oralibus nullis; ligulis 2 mm longis; laminis 6—10 cm longis, 8—10 mm latis, nervis secundariis utrinque 4—5.

Guangdong: Xinyi, Dawuling, 18 IV 1987, Wu Zhi-min 0573 (Type SCAC).

本种近似花哺鸡竹 *P. glabrata* S. Y. Chen et C. Y. Yao，区别在秆的节隆起，有白粉，节下密被白粉，箨鞘背面有小横脉，箨舌截平而不突起，叶耳和鞘口缝毛均缺失。

广东：信宜，大雾岭，1987年4月18日，吴志敏0573（模式，SCAC）。

刺芒刚竹 新种 图9

Phyllostachys aristata W. T. Lin, sp. nov.

Species affinis *P. nidulariae* Munro, sed vaginis culmi rectangularibus dorso maculis fuscis inaequalibus instructis, laminis vaginarum latioribus, earum basibus vaginarum apicibus subaequilatis, auriculis vaginarum falcatis differt.

Culmi ad 3 m alti, 2 cm diam.; internodiis 15—22 cm longis, glabris, nodis valde prominentibus, infra nodos albo-farinaceis; cicatricibus vaginarum dense brunneo-hispidis. Vaginae culmi rectangulares, dorso maculis fuscis inaequalibus instructae, basi dense brunneo-hispidae; auriculis falcatis, saepe e laminis basalibus projectis, margine setis longis praeditis; ligulis 1.5 mm longis, margine ciliatis; laminis, erectis triangularibus vel longe triangularibus, basibus vaginarum apicibus subaequilatis. Rami 2 in quoque nodo, inaequales. Folia 1—2 in quoque ramulo; vaginis pubescentibus; auriculis et setis oralibus non evolutis; ligulis brevissimis; laminis 4—7 cm longis, 8—12 mm latis, subtus pubescentibus, nervis secundariis utrinque 4—5. Inflorescentia spicata; spathae 18—22 mm longae; pseudospicula 12—14 mm lon-

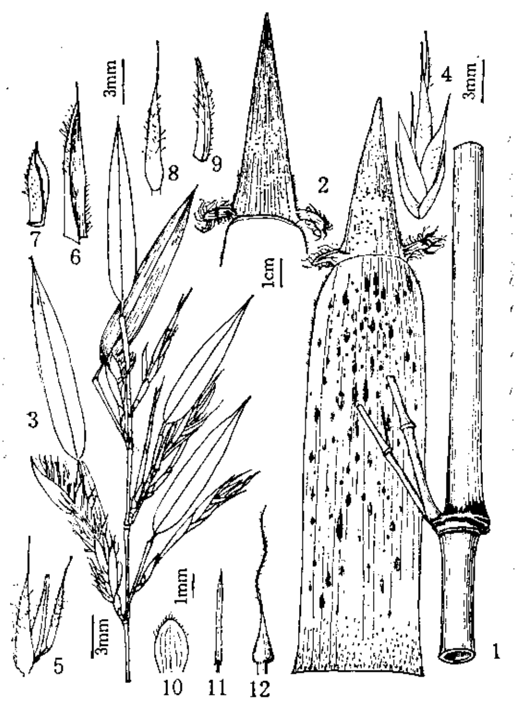


图9 刺芒刚竹 *Phyllostachys aristata* 1.秆的一部分 part of culm; 2.秆箨 vagina of culm; 3.小枝与叶和花序 ramellus with leaves and inflorescences; 4.假小穗 pseudo spikelet; 5.小花和不孕小花 floret and sterile floret; 6.苞片 bract; 7.空颖 abortion-glume; 8.外稃 lemma; 9.内稃 palea; 10.鳞被 lodicules; 11.雄蕊 stamen; 12.雌蕊 pistil。

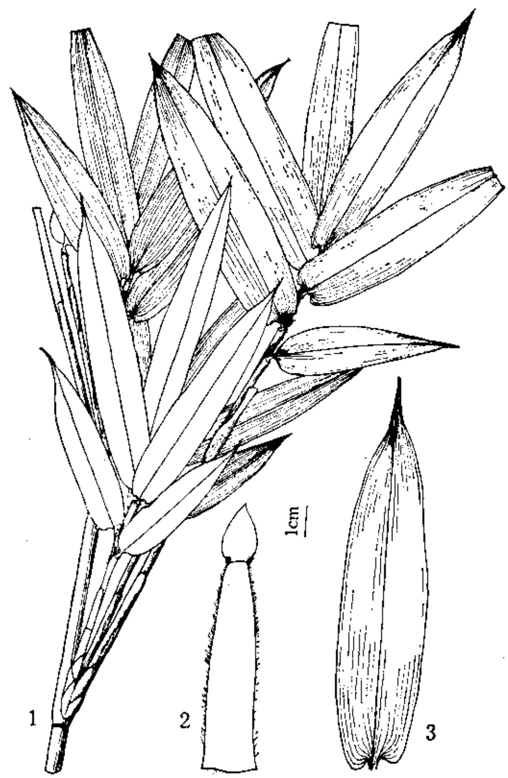


图10 耳叶青篱竹 *Arundinaria basiaurita* 1.秆与分枝 culm with branching; 2.秆箨 vagina of culm; 3.叶片 lamina.

ga; bracteis 4—5, apice aristatis; gluma vacua 1; flosculo 1, eo supremo haud evoluto; lemmatibus 9—10 mm longis, apice aristatis, extus setosis; plaeis 6—7 mm longis, apice 2-lobatis, extus setosis; lodiculis 3, ovatis 2 mm longis; antheris 3, 3—5 mm longis, apice mucronatis; stigma 1.

Guangdong: Huidong, Lianghua, 13 V 1987, Xiao Mian-yun 53550 (Type, SCAC).

本种近花竹 *P. nidularia* Munro，区别在箨鞘长方形，背面有大小不等的淡黑色斑点，箨叶较宽，基部的宽度约与箨鞘顶部相等，箨耳镰形。

广东：惠东，梁化，1987 年 5 月 13 日，肖绵韵 53550 (模式，SCAC)。

耳叶青篱竹 新种 图 10

Arundinaria basiaurita W. T. Lin et X. B. Ye*, sp. nov.

Species ab omnibus speciebus generis ramis 3 inaequalibus primariis quam ceteris fere duplo longioribus, vaginae lamina medio quam vaginae apice latiore, foliorum laminis basi auritis raro obtusis vel cuneatis facile distinguenda.

Culmi 1.2—1.5 m alti, 5—7 mm diam.: internodiis teretibus, 6—9 cm longis, viridibus, glabris, infra nodos albo-farinaceis; nodis paullo prominentibus. Vaginae culmi tarde deciduae, 6—7 cm longae, dorso subglabrae, plus minusve albo-farinaceae, utrinque margine brunneo-ciliatae; auriculis minoribus, oblongis; setis oralibus erectis; ligulis brevissimis; laminis deciduis, ovatis, medio quam apice vaginae latioribus. Rami medii culmi in quoque nodo 3, inferiores 1—2 erecto-patentes inaequales, primarii quam ceteri fere duplo longiores. Folia in quoque ramo 5—7; vaginis foliorum sparse brunneo-hirsutis, utrinque margine dense brunneo-ciliatis, apicem versus conspice carinatis; auriculis minoribus; setis oralibus radiatis; ligulis brevissimis; laminis 4.5—17 cm longis, 1.2—3.5 cm latis, basi auritis raro obtusis vel cuneatis, nervis secundariis utrinque 7—9, venulis conspicue tessellatis. Inflorescentia incognita.

Guangdong: Xinhui, Gudoushan, Xiang-bin Ye 35419 (Type, SCAC).

本种枝条 3，不等粗，主枝比其余侧枝长约几乎 2 倍，箨叶中部比箨鞘顶端较宽，叶基耳形，少数钝或楔形，易于与其他种类区别。

广东：新会，古兜山，叶向斌 35419 (模式，SCAC)。

多花青篱竹 笔竹(广东) 新种 图 11

Arundinaria multifloscula W. T. Lin, sp. nov.

Species affinis *A. amabili* McClure, sed auriculis vaginarum minoribus vel falcatis, ligulis vaginarum 0.5 mm longis non fimbriatis, ramis solitariis, spiculis 11—18 cm longis, flosculis 20—30(—40), lodiculis 3 duobus anterioribus semiovatis posteriore 1 lanceolato differt.

Culmi 1.5—2 m alti, 8—10 mm diam.; internodiis 10—25 cm longis, sparse pubescentibus, infra nodos fusco-hispidulis, farinaceis, nodis vix haud prominentibus. Vaginae culmi persistentes, dorso pubescentes; auriculis minoribus vel falcatis; setis radiatis; ligula 0.5 mm longa; laminis lanceolatis. Rami solitarii; ramis secundariis 1—2 saepe e nodis ramorum basalibus prodientibus. Folia in quoque ramulo 6—10; vaginae foliorum sparse pubescentes; auriculis parvis vel falcatis; setis radiatis; ligula 0.5—1 mm longa; laminis 6—17 cm longis, 1—3 cm latis, subtus pubescentibus, nervis secundariis utrinque 6—9. Inflorescentia paniculata, 39—43 cm longa; spicula 11—18 cm longa; glumis vacuis 3; flosculis 20—30(—40);

* 叶向斌(华南农业大学)。

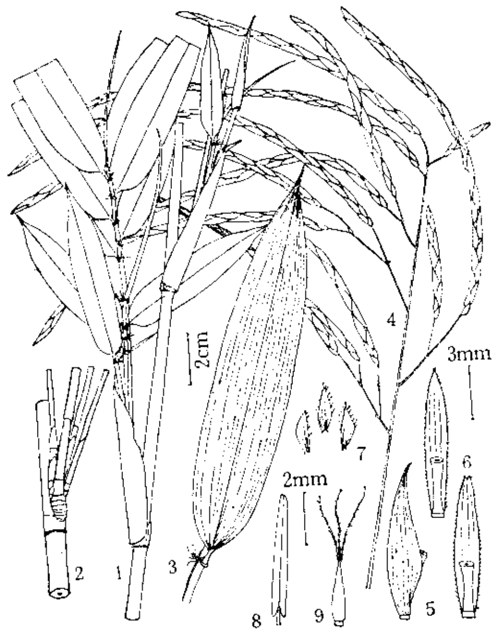


图 11 多花青篱竹 *Arundinaria multifloscula* 1.秆的一部分 part of culm; 2.秆的一部分去秆箨示分枝情况 part of culm with culm vagina removed, showing the branching; 3.叶 leaf; 4.花序 Inflosescence; 5.外稃 lemma; 6.内稃 palea; 7.鳞被 lodicules; 8.雄蕊 stamen; 9.雌蕊 pistil.

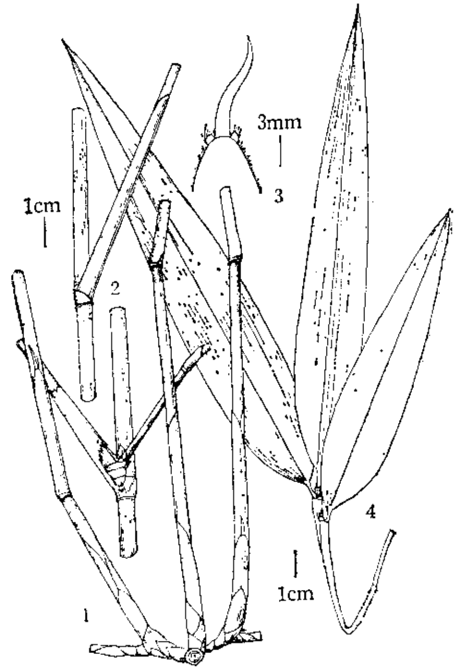


图 12 银环赤竹 *Sasa albo-sericea* 1.地下茎 rhizome; 2.秆的一部分 part of culm; 3.秆箨 vagina of culm; 4.小枝与叶 ramellus with leaves.

lemmatibus 7—10 mm longis, glabris; paleis 6—8 mm longis, apice acutis vel 2-dentatis, inter carinas 3-nerviis, in carinis ciliatis; rachillis 3—5 mm longis; lodiculis 3, duobus anterioribus semiovatis, posteriore 1 lanceolato; staminibus 3; ovario stipitato, stylis 3.

Guangdong: Guangzhou, South China Agr. Univ., Tsiang Ying 17072 (plants originally from Guangzhou, Longyandong); same locality, 12 IX 1981, Lin Wan-tao 31851 (Type, SCAC).

本种近似青篱竹 *A. amabilis* McClure, 区别在箨耳小或镰形,箨舌长 0.5mm, 而无流苏状,枝条单一,小穗长 11—18cm, 含小花 20—30(—40), 鳞被 3, 前方 2 枚半卵形,后方 1 枚披针形。

该种又与日本茶秆竹 *Pseudosasa japonica* (Sieb. et Zucc.) Makino ex Nakai 相似, 区别在秆有毛,第二级枝常自枝条基部的节上生出,而不是其上部,箨耳存在,小穗长 11—18cm, 含小花 20—30(—40),外稃无方格脉,鳞被不相等。

广东: 广州,华南农业大学, 蒋英 17072 (引自广州龙眼洞); 同地, 1981 年 9 月 12 日,林万涛 31851 (模式, SCAC)。用途可作毛笔杆。

银环赤竹 新种 图 12

Sasa albo-sericea W. T. Lin et J. Y. Lin*, sp. nov.

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* 林家怡(华南农业大学)。

Species ab ceteris speciebus generis sinensibus internodiis culmi infra nodos dense albo-sericeis, ramis secundariis solitariis saepe e nodis ramorum basalibus prodientibus, auriculis vaginarum ovatis, ligulis foliorum brevissimis facile distincta.

Rhizomata leptomorpha. Culmi 1—1.3 m alti 5—7 mm diam., basi plerumque geniculati; internodiis 10—17 cm longis, glabris, infra nodos dense albo-sericeis; nodis leviter prominentibus. Vaginae culmi persistentes, dorso sparse albo-pubescentes; auriculis ovatis; setis suberectis; ligula 0.5 mm longa; laminis lineari-lanceolatis, patentibus. Rami solitarii; remis secundariis solitariis saepe e nodis ramorum basalibus prodientibus. Folia in quoque ramulo 2—3; vaginis glabris; ligula brevissima; auriculis oblongis; setis erectis; laminis 11—26 cm longis, 2.5—4.5 cm latis, glabris, nervis secundariis utrinque 6—11.

Guangdong. Fogang, Guanyin Shan, alt. 1000 m, 11 XII 1986, Lin Jia-yi 28006 (Type, SCAC).

本种秆的节下密被白色绢毛，第二级枝条单生于枝条基部的节上，箨耳卵形，叶舌极短，易于与本属国产其他种类相区别。

广东：佛冈，观音山，海拔 1000m，1986 年 12 月 11 日，林家怡 28006 (模式，SCAC)。

古兜箬竹 新种 图 13

Indocalamus vulgatus W. T. Lin et X. B. Ye, sp. nov.

Species affinis *I. sinico* (Hance) Nakai, sed internodiis culmi initio sparse hispidulis et maculatis, vaginis culmi non carinatis, ligulis vaginarum apice non ciliatis, auriculis foliorum evolutis differt.

Culmi 1—1.2 m alti, 4—6 mm diam.; internodiis 9—15 cm longis. initio sparse hispidulis et maculatis; nodis vix haud prominentibus, Vaginae culmi persistentes, dorso initio albo-farinaceae et puberulae non carinatae; auriculis nullis vel minoribus; setis oralibus nullis vel paucis erectis vel radiatis; ligulis 1 mm longis, apice non ciliatis; laminis lineari-lanceolatis, patentibus vel reflexis. Rami 1 (—2) suberecti; ramuli nulli. Folia in quoque ramo 4—5; vaginis dorso glabris, superne venulis transversis manifeste instructis; auriculis falcatis vel oblongis; setis paucis; laminis 5—14 cm longis, 1.2—4.5 cm latis, utrinque glabris, nervis secundariis utrinque 6—9.

Guangdong: Xinhui, Gudou Shan, 13 XI 1986, Ye Xiang-bin 35421 (Type, SCAC).

本种近似华箬竹 *I. sinicus* (Hance) Nakai, 区别在秆的节间初时散生有小糙毛，并有小斑点，箨鞘背面无脊，箨舌顶部无小纤毛，叶耳发育。

广东：新会，古兜山，1986 年 11 月 13 日，叶向斌 35421 (模式，SCAC)。

绒耳寒竹 新种 图14

Gelidocalamus velutinus W. T. Lin, sp. nov.

Species *G. stellato* Wen affinis, sed internodiis culmi hispidulis, auriculis vaginarum prominentibus oblongis utrinque velutinis, laminis foliorum nervis secundariis utrinque 6—9 praeditis differt.

Culmi 2—2.5 m alti, 0.5—0.8 cm diam.; internodiis teretibus, 18—27 cm longis, sparse albo-hispidulis, infra nodos dense bubalino-hispidulis; nodis paullo prominentibus; cicatricibus vaginarum leviter prominentibus. Vaginae culmi deciduae, dorso sparse albo-hispidulae, superne plerumque venulis transversis manifeste instructae; auriculis oblongis, utrinque velutinis, margine ciliatis; ligulis 0.5 mm longis, apice ciliolatis, dorso velutinis; laminis vittiformibus, reflexis vel patentibus, basi velutinis. Rami 14—16 graciles, inaequilongi, non ramosi.

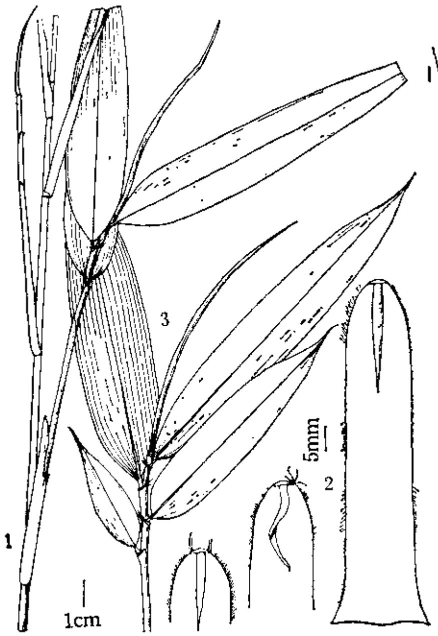


图 13 古兜箬竹 *Indocalamus vulgatus* 1.秆的一部分 part of culm; 2.秆箨、箨耳及鞘口縫毛 culm vagina, auricles and ciliate vagina mouth 3.小枝与秆 ramellus with leaves.

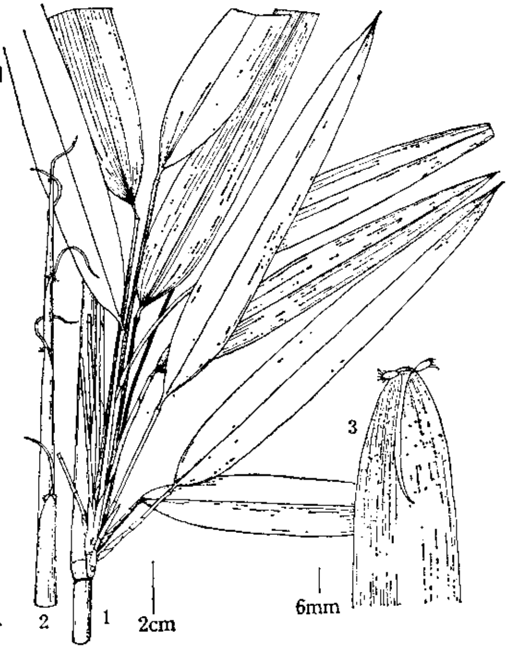


图 14 绒耳寒竹 *Gelidocalamus velutinus* 1.秆的一部分 part of culm; 2.笋 turion; 3.秆箨的上部 upper part of culm vagina.

Folia in quoque ramo unica; vaginae foliorum pluries nullae; auriculae nullae; laminis 14—25 cm longis, 2—5 cm latis, utrinque glabris, nervis secundariis utrinque 6—9, venulis conspicue tessellatis.

Guangdong: Yunan, Songkou, 14 VIII 1963, Tan Shu-hui 42078 (Type, SCAC).

本种近似井岗寒竹 *G. stellatus* Wen, 区别在秆的节间有小糙毛, 箨耳显著, 长圆形,两面有短绒毛,叶片次脉 6—9 对。

广东: 郁南,松口, 1963 年 8 月 14 日,谭树辉 42078 (模式, SCAC)。